Bruhat Bengaluru Mahanagara Palike

IMPROVEMENTS TO 20 NUMBERS MAJOR JUNCTIONS WITH GREENERY TO IMPROVE AIR QUALITY AROUND THE JUNCTION

SCOPE OF WORKS

1. TAGORE CIRCLE

1a. Aim

A historical intersection situated in the heart of Basavangudi and at the entrance of Gandhi Bazaar, Tagore Circle was redeveloped a decade ago, giving rise to its current form with an underpass beneath a vast black-topped road. Unfortunately, this setup has resulted in wasted space and contributes to its current condition as a heat-trapping area. This presents an opportunity to redesign the circle in a manner that softens its hard edges and brings its redundant spaces into the public realm that caters to pedestrians.

1b. Site Data

Site Location : *12.943871, 77.573792*
Site Area : *4,700 Sqm*
Traffic Density : *Medium* ***Air Quality :*** *Good*
Green coverage : *235Sqm (canopy) 5% of site area*
Site Typology : *Infrastructural Void - Overpass*
Site Condition : *Heat island effect, Unused spaces, disorganised vehicular movement*

1c. Major Scope of Works

•Desilting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Cladding of retaining walls with granite.
• Laying of Edge kerb and pavers in central plaza.
• Fabrication & installation of Canopies to provide shade.
• Construction of ramps and providing of bollards at entry/exist points.
• Construction of brick seating.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

1d. Extent of scope

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1. TAGORE CIRCLE

1e. Site Photos

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2.DAIRY CIRCLE

2a. Aim

Named for its proximity to the KMF Factory, Dairy Circle is a multi-layered transit node whose road network is divided into three levels to facilitate and streamline vehicular movement. Furthermore, the circle is home to significant institutions such as universities and hospitals, resulting in high pedestrian traffic. The proposal aims to establish a pedestrian-friendly node and add value by transforming unused spaces into green pockets.

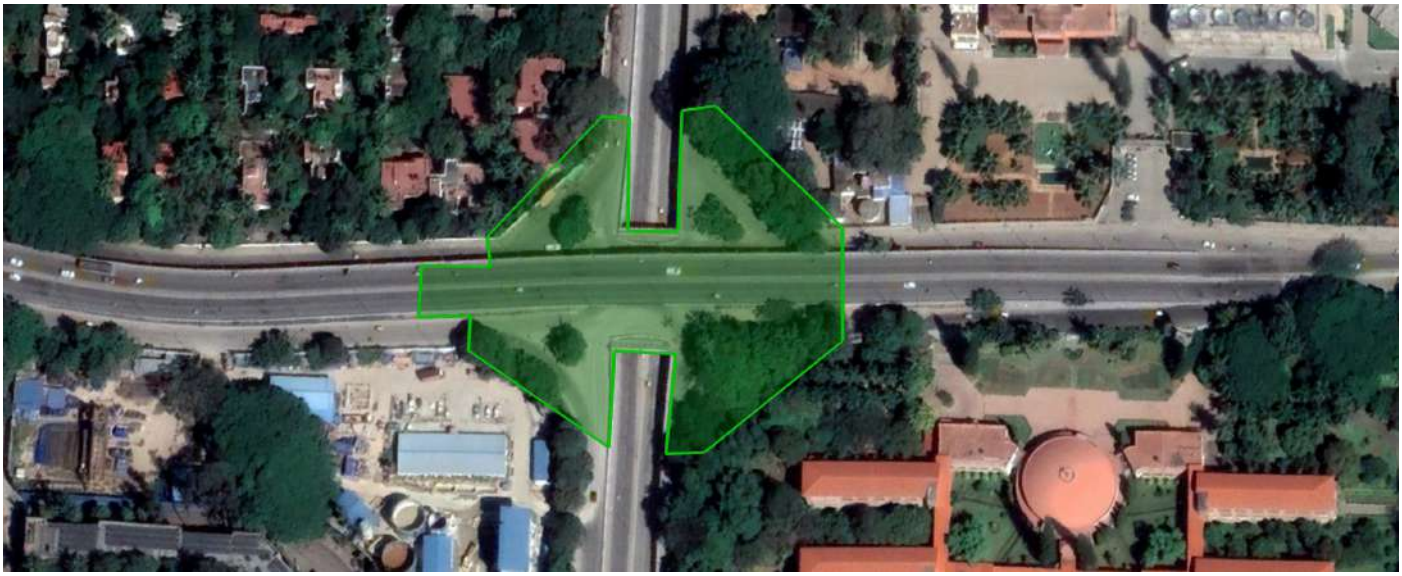
2b. Site Data

Site Location : *12.937125, 77.601672*
Site Area : *7,000 Sqm*
Traffic Density : *Medium* ***Air Quality :*** *Moderate*
Green coverage : *360Sqm (Softscape) + 2344Sqm (canopy) 30% of site area*
Site Typology : *Infrastructural Void - Overpass + Flyover*
Site Condition : *Dilapidated infrastructure, unused spaces, Hostile conditions for pedestrians*

2c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Construction of retaining walls (if any)
• Cladding of retaining walls with granite
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Construction of brick seating
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Laying of designed thermoplast pattern on road as per drawing.
• Installing of sign boards.

2d. Extent of scope



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2.DAIRY CIRCLE

2e. Site Photos

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3. TC PALYA JUNCTION - NH75

3a. Aim

An exceedingly bustling junction situated on National Highway 75, this pivotal point serves as the gateway to the neighborhoods of TC Palya and Chikkabasavanapura. Drawing heavy foot traffic from pedestrians and enduring a high density of vehicular flow on the highway, it poses significant dangers to those wishing to traverse the roads on foot. The primary objective here is to establish a secure haven for pedestrians while simultaneously transforming the junction with ample greenery and shaded areas, enhancing both safety and quality of air.

3b. Site Data

Site Location : *13.017138, 77.704488*
Site Area : *9,100 Sqm*
Traffic Density : *High* ***Air Quality :*** *Moderate*
Green coverage : *Nil*
Site Typology : *Transportation Void*
Site Condition : *Hostile pedestrian infrastructure, lack of green cover*

3c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

3d. Extent of scope

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3. TC PALYA JUNCTION - NH75

3e. Site Photos

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4. JEDI MARA JUNCTION

4a. Aim

Once adorned with cashew orchards, this iconic junction has undergone a dramatic transformation over the years. Positioned at the intersection of JP Nagar Ring Road and Bannerghatta Road, its journey from a lush green urban node to a concrete expanse has diminished its vitality. Compounding environmental concerns, the junction grapples with disorganized vehicular and pedestrian traffic. Thus, it becomes imperative to prioritize augmenting greenery at the junction, establishing pedestrian islands, and streamlining vehicular movement.

4b. Site Data

Site Location : *12.907355, 77.600626*
Site Area : *10,000 Sqm*
Traffic Density : *High* ***Air Quality :*** *Moderate*
Green coverage : *1900Sqm (canopy) 19% of site area*
Site Typology : *Transportation Void + Infrastructural Void (Metro Line)*
Site Condition : *Lack of Green cover, unsused spaces, pedestrian hazards*

4c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

4d. Extent of scope

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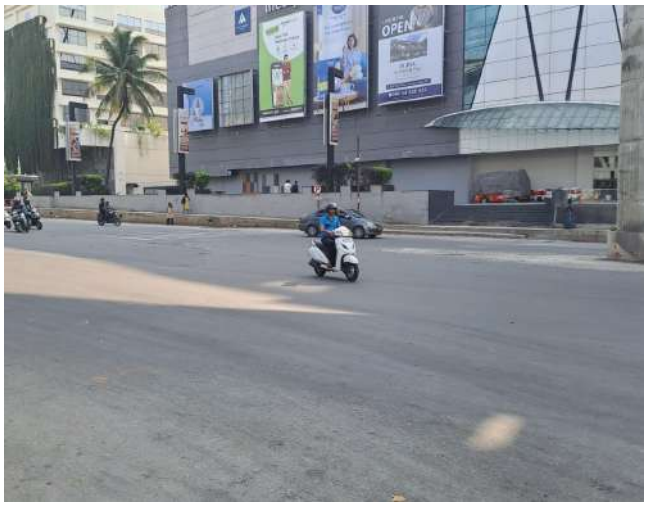
4. JEDI MARA JUNCTION

4e. Site Photos



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5. NAGARABHAVI 12th BLOCK BUS STOP

5a. Aim

Connecting to the Outer Ring Road, this junction serves as one of the entrances to Nagarbhavi. The Nagarbhavi 80 Feet Main Road intersects the ORR almost perpendicularly, creating a distinctive scenario. However, the presence of the ORR running above has resulted in awkward and neglected spaces underneath it. Additionally, the junction is notably dry and hot, exacerbating pedestrian discomfort. The objective is to address these awkward spaces, establish streamlined traffic flow, introduce refuge areas and pedestrian spaces, and extensively green the junction.

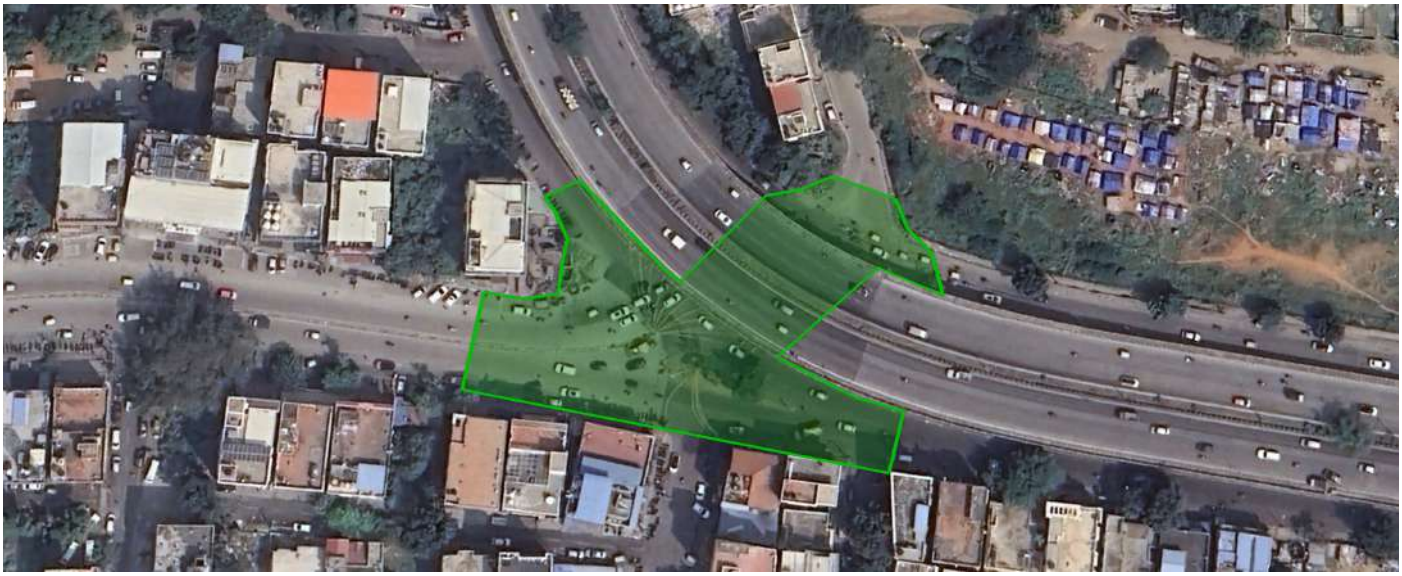
5b. Site Data

Site Location : *12.960857, 77.512535*
Site Area : *3,500 Sqm*
Traffic Density : *Medium* ***Air Quality :*** *Poor*
Green coverage : *Nil*
Site Typology : *Infrastructural Void - Flyover & Transportation Void*
Site Condition : *Lack of green space, No pedestrian safety*

5c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

5d. Site Extent



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5. NAGARABHAVI 12th BLOCK BUS STOP

5e. Site Photos

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6. TC PALYA MAIN ROAD BRIDGE

6a. Aim

The TC Palya Main Road bridge boasts a distinctive configuration, featuring multiple roads intersecting at the junction, an underpass running below, and a railway overbridge converging at the same point. This unique setup has led to inefficient usage of spaces and harsh conditions for pedestrians. The goal is to soften all edges, enhance pedestrian infrastructure, streamline traffic flow, and introduce green elements such as planter boxes and large pots to improve the overall environment.

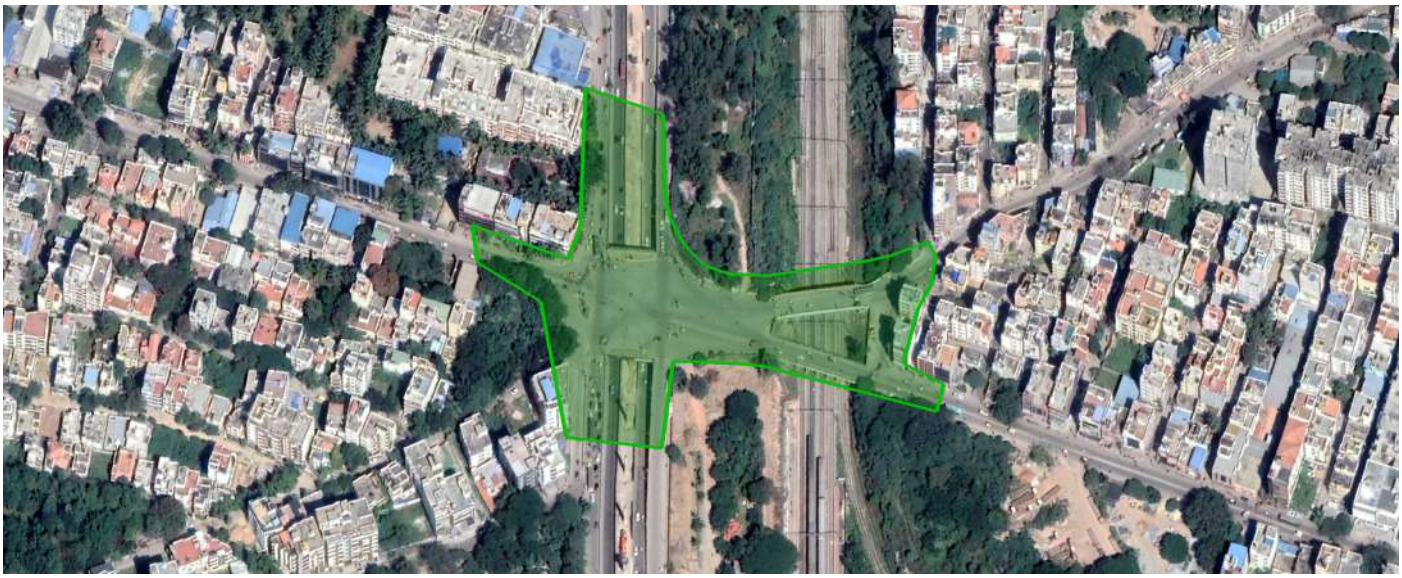
6b. Site Data

Site Location : *13.013206, 77.662286*
Site Area : *20,000 Sqm*
Traffic Density : *High* ***Air Quality :*** *Poor*
Green coverage : *Nil*
Site Typology : *Infrastructural Void - Overpass & Rail Over bridge*
Site Condition : *Heat island effect, Unused spaces, disorganised vehicular movement*

6c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Cladding of retaining walls with granite.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

6d.Extent of scope



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6. TC PALYA MAIN ROAD BRIDGE

6e. Site Photos

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7. SP ROAD JUNCTION

7a. Aim

Located in the CBD, opposite the BBMP Headquarters, the SP Road junction forms a part of the larger NR Square. It experiences a significant influx of vehicles, surpassing its carrying capacity and resulting in long traffic jams. Moreover, pedestrian infrastructure is lacking, with the existing skywalk inadequately facilitating pedestrian movement. The aim is to repurpose redundant spaces for pedestrian use and increase green cover at the junction, providing relief to commuters.

7b. Site Data

Site Location : *12.965668, 77.586730*
Site Area : *6,000Sqm*
Traffic Density : *High* ***Air Quality :*** *Poor*
Green coverage : *150Sqm (Softscape) + 1000Sqm (canopy) 17% of site area*
Site Typology : *Transportation Void + Infrastructure void (skywalk)*
Site Condition : *disorganised vehicular movement, unused spaces*

7c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Construction of retaining walls (if any).
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

7d. Site Extent

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7. SP ROAD JUNCTION

7e. Site Photos

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8. MADHAVAN CIRCLE

8a. Aim

Madhavan Circle is a small-sized traffic intersection characterized by a roundabout typology. It is bordered by a lush green public park on one side and commercial establishments & residences on the other, making it a landmark ever since the inception of Jayanagar as a neighborhood. The circle has five axial roads emanating from its center with medium-density traffic. The intent of the proposal is to streamline traffic, introduce pedestrian infrastructure, and further enhance the green nature of the site.

8b. Site Data

Site Location : *12.936707, 77.585064*
Site Area : *4,200 Sqm*
Traffic Density : *Medium* ***Air Quality :*** *Good*
Green coverage : *100Sqm (Softscape) + 2100Sqm (canopy) 50% of site area*
Site Typology : *Transportation Void*
Site Condition : *Lack of pedestrian infrastructure, Poor public lighting*

8c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Shifting of utilities as per drawing.
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Construction of retaining walls (if any).
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Construction & installation of fountain as per drawing.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

8d. Extent of scope

8. MADHAVAN CIRCLE

8e. Site Photos

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9. NARRAINSAWMY MUDALIAR CIRCLE (ULSOOR LAKE 1)

9a. Aim

Narayanswami Mudaliar Circle is situated at the edge of Ulsoor Lake and stands as one of the five prominent junctions around the lake. The circle boasts a well-organized flow of traffic and adequate provisions for pedestrian movement. However, there remains an opportunity to enhance the greenery further and make it more accommodating for cyclists and pedestrians. Additionally, the objective is to visually integrate it and establish a common design language with the other junctions around Ulsoor Lake.

9b. Site Data

Site Location : *12.982649, 77.615639*
Site Area : *4,400 Sqm*
Traffic Density : *Low* ***Air Quality :*** *Good*
Green coverage : *810 Sqm(softscape) + 2,100Sqm(Canopy) 47% of the site area*
Site Typology : *Transporation Void*
Site Condition : *Lack of pedestrian safety measures*

9c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

9d. Extent of scope

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9. NARRAINSAWMY MUDALIAR CIRCLE (ULSOOR LAKE 1)

9e. Site Photos

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10. Prof. K VENKATACHALAM CIRCLE (ULSOOR 2)

10a. Aim

Professor Venkatachalam Circle holds historical significance, situated at the edge of Ulsoor Lake, which was historically part of the cantonment area of Bengaluru. Serving as the entrance to Ulsoor Lake, the area witnesses a significant footfall of pedestrians and cyclists. Positioned at the center of the circle is a military tank for public showcase. The design envisages reinforcing the existing greenery, establishing a landmark plaza in the center, and introducing traffic islands to enhance pedestrian safety.

10b. Site Data

Site Location : *12.987174, 77.619644*
Site Area : *10,500 Sqm*
Traffic Density : *Low* ***Air Quality :*** *Good*
Green coverage : *1,000 sqm (softscape) + 4,500 sqm (Canopy)*
Site Typology : *Transportation Void*
Site Condition : *Lack of pedestrian safety measures*

10c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

10d. Extent of scope

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10. Prof. K VENKATACHALAM CIRCLE (ULSOOR 2)

10e. Site Photos

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11. MADRAS SAPPERS HQ JUNCTION (ULSOOR 3)

11a. Aim

An intersection notable for its proximity to the Madras Sappers HQ, it winds along the edge of Ulsoor Lake, offering a pleasant vista for passers-by. However, the current road islands and footpaths are not optimized for efficiency and require modifications. Thus, the objective is to reassess the existing footpaths and islands, harmonizing the intersection by enhancing the visual experience along the lake edge and introducing more plants and trees.

11b. Site Data

Site Location : *12.987696, 77.622381*
Site Area : *2,800 Sqm*
Traffic Density : *Low* ***Air Quality :*** *Good*
Green coverage : *250 Sqm(softscape) +450Sqm(Canopy) 47% of the site area*
Site Typology : *Transporation Void*
Site Condition : *Lack of pedestrian safety measures*

11c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

11d. Extent of scope

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11. MADRAS SAPPERS HQ JUNCTION (ULSOOR 3)

11e. Site Photos

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12. D.BHASKARAN ROAD JUNCTION (ULSOOR 4)

12a. Aim

The D. Bhaskaran Road junction intersects with Kensington Road, sharing similarities with other nodes around Ulsoor Lake. However, its traffic density is notably higher. Currently, there's a pressing need to enhance pedestrian infrastructure and significantly increase greenery and shade at the junction. Therefore, the aim is to improve pedestrian movement efficiency, implement safety measures, and transform the junction into a well-shaded area abundant with greenery.

12b. Site Data

Site Location : *12.981762, 77.623072*
Site Area : *3,700Sqm*
Traffic Density : *Medium* ***Air Quality :*** *Good*
Green coverage : *300 Sqm(softscape)*
Site Typology : *Transporation Void*
Site Condition : *Lack of pedestrian safety measures*

12c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

12d. Extent of scope

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12. D.BHASKARAN ROAD JUNCTION (ULSOOR 4)

12e. Site Photos

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13. MEKHRI CIRCLE

13a. Aim

Mekhri Circle is one of the most popular urban nodes in Bengaluru, situated at the intersection of the busy and bustling Bellary Road and CV Raman Road. This proposal aims to transform Mekhri Circle into a Green Transit Node while also paying tribute to the story behind its nomenclature and to one of the four historical Kempegowda towers located at the circle.

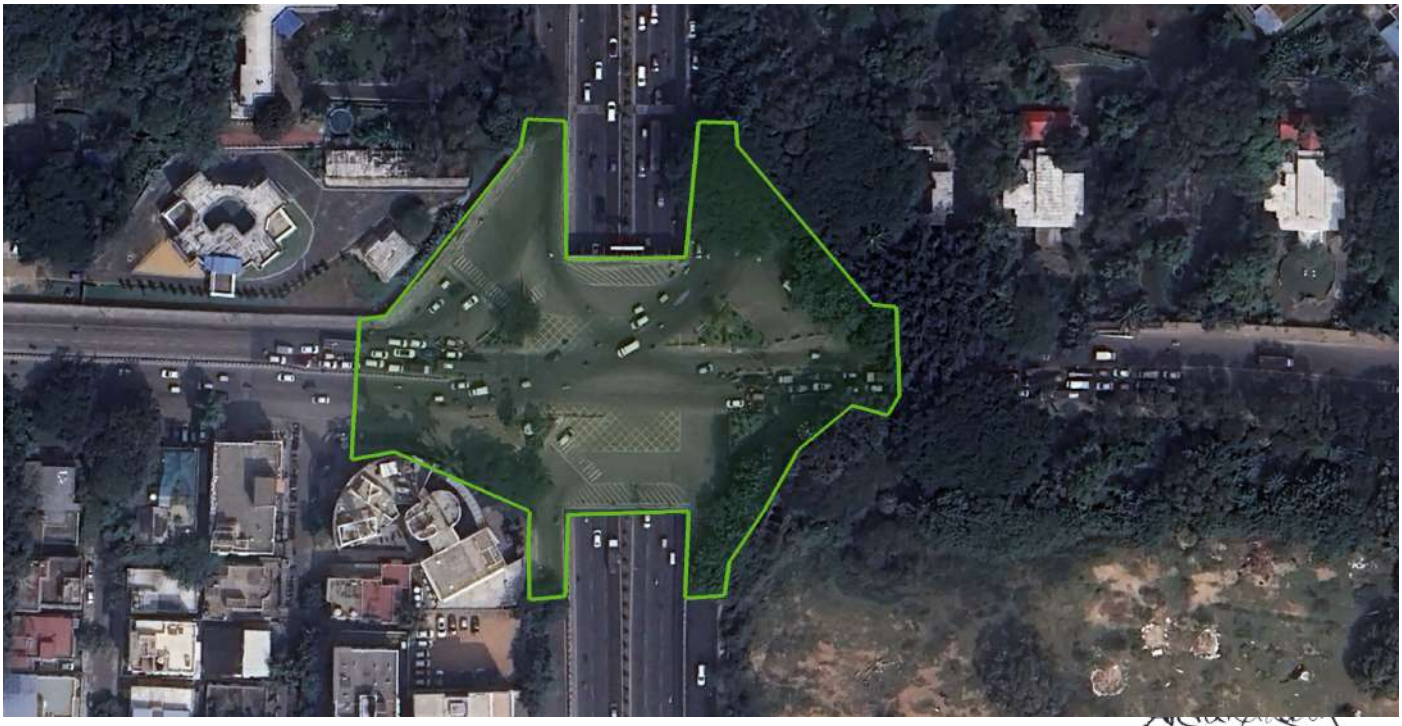
13b. Site Data

Site Location : *13.014509, 77.583937*
Site Area : *7,500 Sqm*
Traffic Density : *Medium-High* ***Air Quality :*** *Moderate*
Green coverage : *400Sqm (Softscape) + 1120Sqm (canopy) 15% of site area*
Site Typology : *Infrastructural Void - Overpass*
Site Condition : *Dilapidated infrastructure, unused spaces, Lack of natural shade*

13c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition of existing dilapidated footpaths and other built structures as per reference drawings.
• Construction of retaining walls (if any).
• Cladding of retaining walls with granite.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Construction of precast seating.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting 5-6 Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

13d. Extent of Scope



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13. MEKHRI CIRCLE

13e. Site Photos

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14. JNANABHARATI JUNCTION

14a. Aim

Jnanabharati Circle is a landmark junction that serves as the gateway to Bangalore University and also features a metro station. Situated on the bustling Mysore Road, the circle has witnessed a significant transformation in its appearance, evolving from an iconic and tranquil gateway to a junction surrounded by concrete. The objective of the redevelopment is to restore its serene character while also providing for streamlined and safe movement of both vehicles and pedestrians.

14b. Site Data

Site Location :*12.935634, 77.513066*
Site Area : *6,000 Sqm*
Traffic Density : *High* ***Air Quality :*** *Poor*
Green coverage : *400Sqm (Softscape) + 300Sqm (canopy) 5% of site area*
Site Typology : *Infrastructural Void - Metro Line & Transportation void*
Site Condition : *Disorganised Traffic, Poor air quality, Lack of Green cover*

14c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

14d. Extent of scope

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14. JNANABHARATI JUNCTION

14e. Site Photos

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15. NANJAPPA JUNCTION

15a. Aim

Nanjappa Circle sits at the intersection of Rhenius Street and Langford Road within the Langford Town area. Surrounded by a hockey stadium, commercial establishments, and residences, the circle draws a diverse crowd. Despite its small size, the circle accommodates multiple elements such as temples and informal markets. However, this leads to poor space utilization and congested traffic, resulting in noise pollution. The proposal aims to enhance space utilization and introduce green buffers to mitigate pollution.

15b. Site Data

Site Location : *12.960431, 77.601515*
Site Area : *5,200 Sqm*
Traffic Density : *Medium* ***Air Quality :*** *Good*
Green coverage : *750Sqm (Softscape) + 3000Sqm (canopy) 57% of site area*
Site Typology : *Transportation Void*
Site Condition : *underutilsied spaces, noise pollution, disorganised pedestrian movement.*

15c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

15d. Site Extent of scope

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15. NANJAPPA JUNCTION

15e. Site Photos

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16. KONANAKUNTE CROSS

16a. Aim

Konanakunte Cross is a significant intersection on Kanakapura Main Road, which serves as a high-density corridor. Over time, this cross has endured the effects of rapid urbanization. Once surrounded by large plantations on two of its sides, it is now overwhelmed by commercial establishments and the metro, struggling to keep up with the pace of development. The objective here is to reclaim whatever small parcels of unused land are available and convert them into pedestrian spaces and natural environments, serving as hotspots for pedestrian activities.

16b. Site Data

Site Location : *12.889605, 77.563489*
Site Area : *8,000 Sqm*
Traffic Density : *High* ***Air Quality :*** *Moderate*
Green coverage : *Nil*
Site Typology : *Transportation Void*
Site Condition :

16c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

16d. Extent of scope

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16. KONANAKUNTE CROSS

16e. Site Photos

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17. SUBRAMANYAPURA ROAD JUNCTION

17a. Aim

Subramanyapura underpass, situated on the ring road, stands as one of Bengaluru's largest underpasses, constructed over a decade ago. However, over time, the surge in traffic density and inadequate management of the overpass area has transformed it into a chaotic traffic junction, posing hazards for both pedestrians and vehicles. Moreover, the lack of green cover on the expansive overpass exacerbates the heat in the area. This proposal seeks to humanize the vast space by dividing it into manageable sections, reorganizing vehicular movement, and introducing greenery to make the area ambient & more habitable.

17b. Site Data

Site Location : *12.914164, 77.565943*
Site Area : *9,500 Sqm*
Traffic Density : *High* ***Air Quality :*** *Moderate*
Green coverage : *Nil*
Site Typology : *Infrastructural Void - Overpass & Transportation Void*
Site Condition : *Heat island effect, Unused spaces, disorganised vehicular movement*

17c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Cladding of retaining walls with granite.
• Laying of Edge kerb and pavers.
• Fabrication & installation of Canopies to provide shade.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

17d. Extent of scope

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17. SUBRAMANYAPURA ROAD JUNCTION

17e. Site Photos

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18. CNR RAO UNDERPASS (JUNCTION)

18a. Aim

The CNR Rao Underpass is renowned for its position at the entrance of the esteemed campus of IISC. Featuring a dual network of underpasses beneath, it has led to overlooked spaces and edges above ground. Moreover, the vast expanse of the intersection renders it unwelcoming for pedestrians. The objective is to implement traffic islands, reorganize traffic flow, redesign built edges, and unify the entire area through greenery. This also offers a unique opportunity to commemorate the legacy of Bharat Ratna CNR Rao.

18b. Site Data

Site Location : *13.014185, 77.565746*
Site Area : *11,500 Sqm*
Traffic Density : *Medium* ***Air Quality :*** *Good*
Green coverage : *1200Sqm (canopy) 10% of site area*
Site Typology : *Infrastructural Void - Overpass*
Site Condition : Overlooked harsh edges, lack of pedestrian safety measures

18c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Cladding of retaining walls with granite.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

18d. Extent of scope

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18. CNR RAO UNDERPASS (JUNCTION)

18e. Site Photos

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19. IBLUR LAKE JUNCTION

19a. Aim

This junction plays a critical role due to its location on the Outer Ring Road and the significant volume of vehicular traffic it experiences. Currently, it is burdened with multiple infrastructure elements like skywalks and metro lines. The proposal focuses solely on greening the area to enhance user-friendliness and provide shade for travellers. It also aims to effectively camouflage the concrete-built environment with abundant greenery, improving the aesthetics and environmental quality of the junction.

19b. Site Data

Site Location : *12.920725, 77.665176*
Site Area : *10,700Sqm*
Traffic Density : *High* ***Air Quality :*** *Poor*
Green coverage : *Nil*
Site Typology : *Transporation Void + Infrastructural void (metro + skywalk)*
Site Condition : *Lack of pedestrian safety measures, lack of green cover*

19c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.

19d. Extent of scope

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19.IBLUR LAKE JUNCTION

19e. Site Photos

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20. SANGOLLI RAYANNA JUNCTION

20a. Aim

Sangolli Rayanna Circle holds historical significance as a tribute to Sangolli Rayanna. Situated in the heart of the city, its proximity to the city railway station and the City Bus stand renders it extremely crucial. However, this proximity has also led to a gradual decline in air quality in the surrounding area. The concept is to comprehensively transform the circle, addressing all aspects from its history to its environment equally. In this process, the statue should be given prominence, pedestrian infrastructure must be introduced, and greening measures should be adopted to enhance the overall environment.

20b. Site Data

Site Location : *12.980041, 77.571136*
Site Area : *8,900 Sqm*
Traffic Density : *High* ***Air Quality :*** *Moderate*
Green coverage : *875Sqm (Softscape) + 1830Sqm (canopy) 20% of site area*
Site Typology : *Transportation Void*
Site Condition :

20c. Major Scope of Works

•De-silting of Drains (if any)
•Reconstruction of Drains & replacement of Drain slabs(if any)
• Shifting of utilities as per drawing.
• Demolition/Dismantling of existing dilapidated footpaths and other built structures as per reference drawings.
• Construction of retaining walls (if any).
• Laying of Edge kerb and pavers.
• Construction of ramps and providing of bollards at entry/exist points.
• Construction & installation of fountain as per drawing.
• Providing Pole lights for effective & sufficient lighting.
• Providing of soil & Planting of Trees for ample shading.
• Providing of soil & Planting of Flowering/non flowering plants & shrubs.
• Providing of soil & Planting of lawn/Ground covers.
• Laying of Lane markings.
• Installing of sign boards.
• Installation of thematic information board.

20d. Extent of scope

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20. SANGOLLI RAYANNA JUNCTION

20e. Site Photos

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